

## CLAIMS

1. A superconducting device (30) having an oxide superconducting wire (1) with an oxide superconductor (2) exhibiting sintering density of at least 93 %.

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2. The superconducting device (30) according to claim 1, having said oxide superconducting wire (1) with said oxide superconductor (2) exhibiting said sintering density of at least 95 %.

10 3. The superconducting device (30) according to claim 2, having said oxide superconducting wire (1) with said oxide superconductor (2) exhibiting said sintering density of at least 99 %.

15 4. A superconducting cable (30) having an oxide superconducting wire (1) with an oxide superconductor (2) exhibiting sintering density of at least 93 %.

5. The superconducting cable (30) according to claim 4, having said oxide superconducting wire (1) with said oxide superconductor (2) exhibiting said sintering density of at least 95 %.

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6. The superconducting cable (30) according to claim 5, having said oxide superconducting wire (1) with said oxide superconductor (2) exhibiting said sintering density of at least 99 %.